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Please contact the appropriate permitting authority (either a State or EPA Regional office) prior to acting on this information to ensure you have the most up-to-date permit and/or fact sheet. EPA recognizes the official version of a permit or fact sheet to be the version designated as such and appropriately stored by the respective permitting authority.

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**230 Chestnut Street
Meadville, PA 16335-3481**

Northwest Regional Office

814-332-6942

Fax: 814-332-6121

Mr. Jere Lillich
Plant Manager
Crompton Corporation
100 Sonneborn Lane
Petroia, PA 16050

Re: Industrial Waste
Crompton Corporation
NPDES Permit No. PA0002666
APS ID No. 321923
Authorization ID No. 325843
Fairview Township, Butler County

Dear Mr. Lillich:

Your permit is enclosed. Read the permit and the special conditions carefully.

Please note, a mistake was found in the latest proposed final permit that was previously sent to you. The Interim Temperature limitation for the period May 1 - 31 of 81°F at Outfall 010 should have been for the period May 1 - 15. This has been corrected in the final permit. A limitation of 110 °F is included in the final permit for the period May 16 - 31. The Interim temperature limitations in the final permit are the same as the permit limitations contained in the NPDES permit issued September 22, 1995.

Also, the following language was added to Special Condition 4 in Part C of the permit, "(as approved by the Department) at the most sensitive method detection limit possible."

In response to your comments dated March 25, 2003, to the previous draft permit:

1. A drainage area of 8.4 square miles was verified at outfall 010. This value was used to model the discharge instead of the previous value of 6.2 square miles.

The data from the gage station on Patchel Run was not used to calculate the Q7,10 flow for South Branch Bear Creek. Our hydrogeologist discovered a large swamp area upstream of the gauging station on Patchel Run. He recommended the data from the gage on Toms Run continue to be used because the Patchel Run data has the appearance of "regulated" flow measurements.

2. The Rq values used in the February 10, 2003, temperature model run were used to calculate the temperature limits in the final permit. These values are from the USGS gage station on Toms Run.

3. Penreco's ambient temperature data was used to calculate the temperature limitations in the final permit. This data was collected upstream of Penreco's discharge.
4. The temperature limitations calculated using the above model inputs differed from those that you calculated. This was mainly due to the fact that Toms Run has a lower yield rate than Patchel Run. It is not clear that these limitations will be achievable since your DMR data is presented as monthly averages and these limitations are included in the permit as daily averages. Therefore, the permit is written with interim (current monthly average limitations) and final (daily average) limitations.
5. Your suggested language has been included in the Schedule of Compliance for Temperature special condition.
6. The Plan of Study required in the Schedule of Compliance for Temperature should indicate that an evaluation of limitations as BTU/day, use of alternate design flow rates to calculate limits, and establishment of alternate temperature criteria will be evaluated as appropriate.

In response to your comments dated March 27, 2003, to the previous draft permit the special condition in the permit has been modified as follows:

Analysis shall be conducted using Method CA-100.1 **or equivalent**.

The permit is valid for five years. You must reapply for renewal six months before the expiration date on the first page of the permit.

The discharge limitations and monitoring requirements in your NPDES permit are also typed on the original Discharge Monitoring Report (DMR) that is attached to the permit. That original DMR is provided as a master, so do not write on it, but rather: (1) make copies of it; (2) after doing the sample analyses and flow measurements required by the permit, fill out all the empty blocks on one of the copies by following the instructions on the back of the original DMR; and (3) make copies of the filled out copy and send one to each of the addresses listed in the permit.

Please take the time to complete the enclosed questionnaire and return it in the pre-addressed, stamped envelope. Your response will be taken into account as we consider ways of improving our service to the public and regulated community. Thank you for your cooperation.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental

Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Donald J. Luttman at 814-332-6942.

Sincerely,
/s/

Ricardo F. Gilson
Regional Manager
Water Management

Enclosures

cc: U.S. Environmental Protection Agency
Wastewater Management
Monitoring & Compliance Section
A. Folmar
File

RFG:DJL:lsI

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER MANAGEMENT PROGRAM**

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

NPDES PERMIT NO. PA0002666

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Crompton Corporation

is authorized to discharge from a facility located at 100 Sonneborn Lane; Petrolia, PA 16050

Municipality: **Fairview Township**

County: **Butler**

to receiving waters named **South Branch Bear Creek**

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

THIS PERMIT SHALL EXPIRE AT MIDNIGHT, 09/28/08

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
3. Complete application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form.

In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports, will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED 09/29/03

ISSUED BY /s/

DATE PERMIT AMENDMENT ISSUED _____

TITLE: Ricardo F. Gilson

DATE EFFECTIVE 10/01/03

Environmental Program Manager
Northwest Regional Office

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **001** Latitude 41° 00' 40.0" Longitude 79° 43' 10.0" River Mile Index 3.67 Stream Code 49141
which receives wastewater from storm water runoff
- a. The permittee is authorized to discharge during the period from issuance date to expiration date
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						6/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				XX			2/year	grab	
(T) Iron				XX			6/year	grab	
Dissolved Iron				XX			6/year	grab	
Manganese				XX			2/year	grab	
Zinc				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001 (prior to discharge to
South Branch Bear Creek).

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **002** Latitude 41° 00' 42.0" Longitude 79° 43' 10.0" River Mile Index 3.6 Stream Code 49141
which receives wastewater from storm water runoff

- a. The permittee is authorized to discharge during the period from issuance date to expiration date
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						1/year	estimate	
5 Day CBOD				XX			1/year	grab	
TSS				XX			1/year	grab	
Oil and Grease				XX			1/year	grab	
(T) Iron				XX			1/year	grab	
Dissolved Iron				XX			1/year	grab	
Manganese				XX			1/year	grab	
Zinc				XX			1/year	grab	
pH				XX			1/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 002 prior to discharge to South
Branch Bear Creek and mixing with any other waters.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **003** Latitude 41° 00' 43.0" Longitude 79° 43' 10.0" River Mile Index 3.56 Stream Code 49141
which receives wastewater from storm water runoff from waste water treatment area, tank areas, roadways, industrial buildings, and loading/unloading areas.
 - a. The permittee is authorized to discharge during the period from issuance date to expiration date
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						6/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				15		30	2/year	grab	
(T) Iron				XX			6/year	grab	
Dissolved Iron				XX			6/year	grab	
Manganese				XX			2/year	grab	
Zinc				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 003 at the discharge from the oil separator and prior to discharge to South Branch Bear Creek and mixing with any other waters.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **007** Latitude 41° 00' 46.0" Longitude 79° 43' 10.0" River Mile Index 3.45 Stream Code 49141
which receives wastewater from storm water runoff from tank areas, roadways, and industrial buildings (wastewater treatment plant oil separator).
 - a. The permittee is authorized to discharge during the period from issuance date to expiration date
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						6/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				15		30	2/year	grab	
(T) Iron				XX			6/year	grab	
Dissolved Iron				XX			6/year	grab	
Manganese				XX			4/year	grab	
Zinc				XX			2/year	grab	
Barium				XX			4/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 007 at the discharge from the wastewater treatment plant oil separator and prior to discharge to South Branch Bear Creek.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall **010** Latitude 40° 00' 46.0" Longitude 79° 43' 10.0" River Mile Index 3.52 Stream Code 49141 which receives wastewater from specialty white oil, barium, sulfonate conversion, sodium sulfonate blending, wax and petroleum manufacturing, leachate, laboratory waste, sanitary waste, boiler blowdown and storm water.
- a. The permittee is authorized to discharge during the period from issuance date to expiration date
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						continuous	recorded	
5 Day CBOD									
(05/01 - 10/31)	51	103		13	26	32	1/week	24-hr comp	
(11/01 - 04/30)	103	206		26	52	65	1/week	24-hr comp	
TSS	200	600		50	150	150	1/week	24-hr comp	
Ammonia as Nitrogen									
(05/01 - 10/31)	5.2	10.4		1.3	2.6	3.25	1/week	24-hr comp	
(11/01 - 04/30)	15.6	31.2		3.9	7.8	9.75	1/week	24-hr comp	
Fecal Coliform									
(05/01 - 09/30)				200/100ml			1/week	grab	
(10/01 - 04/30)				2000/100ml			1/week	grab	
Dissolved Oxygen			Shall be greater than 5 mg/l at all times				1/day	grab	
Oil and Grease	60	120		15		30	1/week	3 grab/24-hr	
Aluminum	2.3	4.6		0.58	1.16	1.45	1/month	24-hr comp	
(T) Iron	5.2	10.3		1.3	2.6	3.2	1/month	24-hr comp	
Manganese	4.0	8.0		1.0	2	2.5	1/month	24-hr comp	
Zinc	0.8	1.6		0.19	0.38	0.48	1/month	24-hr comp	
Phenol	0.056	0.1		0.014	0.024	0.035	1/month	24-hr comp	
Barium (Interim) (****)	XX	XX		3.9	7.8	9.75	1/week	24-hr comp	
(Final) (****)	14.7	29.4		3.7	7.4	9.25	1/week	24-hr comp	
pH			6			9	1/day	grab	

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **010 (continued)**

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Temperature (°F)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Monthly Average	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Resorcinol (**)				XX			1/quarter	24-hr comp	
Benzenesulfonic Acid (**)				XX			1/quarter	24-hr comp	
p - Phenolsulfonic Acid (**)				XX			1/quarter	24-hr comp	
m - Benzenedisulfonic Acid (**)				XX			1/quarter	24-hr comp	
Temperature (Interim) (***)							1/week	I-S	
January 1 - 31				54°F					
February 1 - 29				55°F					
March 1 - 31				82°F					
April 1 - 15				68°F					
April 16 - 30				110°F					
May 1 - 15				81°F					
May 16 - 31				110°F					
June 1 - 30				110°F					
July 1 - 31				110°F					
August 1 - 31				110°F					
September 1 - 15				110°F					
September 16 - 30				87°F					
October 1 - 15				87°F					
October 16 - 31				75°F					
November 1 - 15				76°F					
November 16 - 30				57°F					
December 1 - 31				52°F					

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**1. For Outfall **010 (continued)**

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Temperature (°F)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Daily Average	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Temperature (Final) (***)							1/day	I-S	
January 1 - 31				58°F					
February 1 - 29				61°F					
March 1 - 31				69°F					
April 1 - 15				87°F					
April 16 - 30				110°F					
May 1 - 15				103°F					
May 16- 31				110°F					
June 1 - 15				109°F					
June 16- 30				103°F					
July 1 - 31				98°F					
August 1 - 31				95°F					
September 1 - 15				93°F					
September 16 - 30				87°F					
October 1 - 15				89°F					
October 16 - 31				79°F					
November 1 - 15				80°F					
November 16 - 30				71°F					
December 1 - 31				61°F					

XX -- Monitor and report on DMRs.

(**) -- See Special Condition 4 in Part C of the permit.

(***) -- See Special Condition 2, 5, and 6 in Part C of the permit.

(****) -- See Special Condition 7 in Part C of the permit.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **021** Latitude 41° 00' 54.0" Longitude 79° 41' 10.0" River Mile Index 3.33 Stream Code 49141
which receives wastewater from storm water runoff from tank areas, roadways, and industrial buildings (pipe still oil separator)
 - a. The permittee is authorized to discharge during the period from issuance date to expiration date
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						4/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				15		30	2/year	grab	
(T) Iron				XX			4/year	grab	
Dissolved Iron				XX			4/year	grab	
Manganese				XX			2/year	grab	
Zinc				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 021 at the discharge from the
pipe still oil separator and prior to discharge to South Branch Bear Creek.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **022** Latitude 41° 00' 55.0" Longitude 79° 43' 10.0" River Mile Index 3.13 Stream Code 49141
which receives wastewater from storm water runoff from roadways, industrial buildings, tank areas, and loading/unloading areas.
 - a. The permittee is authorized to discharge during the period from issuance date to expiration date
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						4/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				15		30	2/year	grab	
(T) Iron				XX			4/year	grab	
Dissolved Iron				XX			4/year	grab	
Manganese				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 022 at the discharge from the old wax cake oil separator and prior to discharge to South Branch Bear Creek.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **023** Latitude 41° 00' 40.0" Longitude 79° 43' 10.0" River Mile Index 3.25 Stream Code 49141
 which receives wastewater from storm water runoff from access roads, shipping building, and loading/unloading area.
 - a. The permittee is authorized to discharge during the period from issuance date to expiration date
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						6/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				XX			2/year	grab	
(T) Iron				XX			6/year	grab	
Dissolved Iron				XX			6/year	grab	
Manganese				XX			2/year	grab	
Zinc				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 023 (prior to discharge to
South Branch Bear Creek).

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall **024** Latitude 41° 00' 40.0" Longitude 79° 43' 10.0" River Mile Index 3.22 Stream Code 49141 which receives wastewater from storm water runoff from access roads, shipping building, and loading/unloading area.
- a. The permittee is authorized to discharge during the period from issuance date to expiration date
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						4/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				XX			2/year	grab	
(T) Iron				XX			4/year	grab	
Dissolved Iron				XX			4/year	grab	
Manganese				XX			2/year	grab	
Zinc				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 024 (prior to discharge to South Branch Bear Creek).

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall **025** Latitude 41° 00' 40.0" Longitude 79° 43' 10.0" River Mile Index 3.07 Stream Code 49141 which receives wastewater from storm water runoff
 - a. The permittee is authorized to discharge during the period from issuance date to expiration date
 - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (Also see additional requirements, Footnotes and Supplemental Information on page 3)

Discharge Parameter	EFFLUENT LIMITATIONS*						MONITORING REQUIREMENTS		
	Mass Units (lbs/day) ¹			Concentrations (mg/l)			<u>Minimum</u>	24 Hr. Report	
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instantaneous Maximum ²	Measurement Frequency	Sample Type	Under Part A.3.c.(4)
Flow (MGD)	XX						6/year	estimate	
5 Day CBOD				XX			2/year	grab	
TSS				XX			2/year	grab	
Oil and Grease				XX			2/year	grab	
(T) Iron				XX			6/year	grab	
Dissolved Iron				XX			6/year	grab	
Manganese				XX			2/year	grab	
Zinc				XX			2/year	grab	
pH				XX			2/year	grab	

XX - Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 025 (prior to discharge to
South Branch Bear Creek.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATERS FACILITIES

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

Additional Requirements

- c. All discharges of floating materials, oil, grease, scum and substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life (93.6)(b).

Footnotes (Refer to Pages 2 - 2k)

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured, recorded and reported on the Discharge Monitoring Report Form.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports (DMRs) or supplemental DMRs unless specifically required on those forms to do so.

Supplemental Information

- (1) If a flow limitation is included on Pages 2 - 2k, it is based upon the rated hydraulic design capacity of the treatment facility and will be used to determine whether a hydraulic overload exists.
- (2) The effluent limitations for this outfall were determined using an effluent discharge of n/a million gallons per day for Outfall 001, n/a million gallons per day for Outfall 002, n/a million gallons per day for Outfall 003, n/a million gallons per day for Outfall 007, 0.4772 million gallons per day for Outfall 010, n/a million gallons per day for Outfall 021, n/a million gallons per day for Outfall 022, n/a million gallons per day for Outfall 023, n/a million gallons per day for Outfall 024, and n/a million gallons per day for Outfall 025.

PART A**2. DEFINITIONS**

- a. “Bypass” means the intentional diversion of waste streams from any portion of a treatment facility.
- b. “Severe property damage” means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. “Daily discharge” means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the “daily discharge” is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the “daily discharge” is calculated as the average measurement of the pollutant over the day.
- d. “Average” refers to the use of an arithmetic mean, unless otherwise specified in this permit.
- e. “Geometric Average (mean)” means the average of a set of n sample results given by the nth root of their product.
- f. “Average monthly” discharge limitation means the highest allowable average of “daily values” over a calendar month, calculated as the sum of all “daily values” measured during a calendar month divided by the number of “daily values” measured during that month.
- g. “Average weekly” discharge limitation means the highest allowable average of “daily values” over a calendar week, calculated as the sum of all “daily values” measured during a calendar week divided by the number of “daily values” measured during that week.
- h. “Maximum daily” discharge limitation means the highest allowable “daily discharge.”
- i. “Maximum any time” (or instantaneous maximum) means the level not to be exceeded at any time in any grab sample.
- j. “Composite Sample” (for all except GC/MS volatile organic analysis) means a combination of at least 8 individual samples of at least 100 milliliters each obtained at periodic intervals during the operating hours of a facility over a 24 hour period. The composite must be flow-proportional, either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite.

“Composite Sample for GC/MS volatile organic analysis” consists of at least four (rather than eight) aliquots or grab samples collected during actual hours of discharge over a 24 hour period and need not be flow proportioned. The four samples are composited in the laboratory immediately before analysis, and only one analysis performed.

The maximum time period between individual samples used for any “composite sample” shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).

- k. “Grab Sample” means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not to exceed 15 minutes.
- l. “i-s” means immersion stabilization - in which a calibrated device is immersed in the wastewater until the reading is stabilized.
- m. The “Daily Average” temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.
- n. “Measured Flow” means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- o. “At outfall XXX” means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line XXX, or where otherwise specified.
- p. “Estimate” means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.
- q. “Non-contact cooling water” means water used to reduce temperature which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

Such water may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures contain small amounts of process chemicals: provided, that all reasonable measures have been taken to prevent, reduce, eliminate and control the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.

- r. “Toxic Pollutant”- Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will, on the basis of information available to the Department, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organisms or their offspring.
- s. “Hazardous substance” means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.

- t. “Publicly Owned Treatment Works” or “POTW” means a facility as defined by Section 212 of the Clean Water Act which is owned by a State or Municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.
- u. “Industrial User” means an establishment which discharges or introduces industrial wastes into a Publicly Owned Treatment Works (POTW).
- v. “Total Dissolved Solids” means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.
- w. “Storm water associated with industrial activity” means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing, or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- x. “Storm water” means storm water runoff, snow melt runoff, and surface runoff and drainage.
- y. “Best Management Practices (“BMPs”)” means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of “Waters of the United States.” BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3. SELF-MONITORING, REPORTING, AND RECORDS KEEPING

a. Representative Sampling

- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) Records Retention

Except for records of monitoring information required by this permit related to the permittee’s sewage sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for

continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years from the date of the sample measurement, report, or application. The three year period shall be extended as requested by the Department or the EPA Regional Administrator.

(3) Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (i) The exact place, date, and time of sampling or measurements;
- (ii) The person(s) who performed the sampling or measurements;
- (iii) The date(s) the analyses were performed;
- (iv) The person(s) who performed the analyses;
- (v) The analytical techniques or methods used; and the associated detection level; and
- (vi) The results of such analyses.

(4) Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in the permit.

(5) Quality Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- (a) Permittee or its designated laboratory shall participate in the periodic scheduled quality assurance inspections conducted by the Department and EPA.
- (b) The permittee or its designated laboratory shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit in accordance with 40 CFR Part 136, Appendix A

b. Reporting of Monitoring Results

- (1) The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
- (2) Unless instructed otherwise in Part C of this permit, monitoring results obtained each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR).

- (3) The completed DMR Form shall be signed and certified either by the following applicable person (as defined in 40 CFR 122.22(a)) or by that person's duly authorized representative (as defined in 40 CFR 122.22(b)):

- * For a corporation - by a responsible corporate officer
- * For a Partnership or Sole Proprietorship - by a general partner or the proprietor, respectively
- * For a Municipality, State, Federal or other public agency - by a principle executive officer or ranking elected official.

If signed by other than the above, written notification of delegation of DMR signatory authority must be submitted to the Department.

- (4) If the permittee monitors any pollutant, using analytical methods described in A.3.a(4) above, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. Reporting Requirements

- (1) Planned Changes - The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
- (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in §122.29(b); or
 - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under §122.42(a)(1).
 - (c) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;

(2) Anticipated Non-Compliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(3) Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(4) Twenty-Four Hour Reporting

(a) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

(b) The following shall be included as information which must be reported within 24 hours under this paragraph.

(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.

(ii) Any catastrophic event which causes the discharge to exceed effluent limitations in this permit.

(iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.

(c) The Department may waive the written report on a case-by-case basis for reports under paragraph c (4)(a) of this section if the oral report has been received within 24 hours.

(5) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs c (3), (4) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph c (4) of this section.

Compliance with reporting requirements under A.3.c. above shall not excuse a person from immediate notification of incidents causing or threatening pollution pursuant to 25 PA Code 101.2.

- d. Specific Toxic Substance Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Dischargers) The permittee shall notify the Department as soon as it knows or has reason to believe the following:
- (1) That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge on a routine or frequent basis will exceed the highest of the following “notification levels.”
 - (a) One hundred micrograms per liter.
 - (b) Two hundred micrograms per liter for acrolein and acrylonitrile.
 - (c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol.
 - (d) One milligram per liter for antimony.
 - (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application.
 - (f) Any other notification level established by the Department.
 - (2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following “notification levels”:
 - (a) Five hundred micrograms per liter;
 - (b) One milligram per liter for antimony;
 - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application;
 - (d) Any other notification level established by the Department.

PART B

1. MANAGEMENT REQUIREMENTS

a. Compliance Schedules

- (1) The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in Part C of this permit.
- (2) The permittee shall submit reports of compliance or noncompliance with, or progress reports as applicable, any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

b. Permit Modification, Termination, or Revocation and Reissuance

- (1) This permit may be modified, suspended, or revoked in whole or in part during its term for cause, including, but not limited to, any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) In the absence of a Departmental action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

c. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.

- (4) Where the permittee is a POTW, the permittee shall provide adequate notice to the Department of the following:
- (a) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging those pollutants.
 - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User which was discharging into the POTW at the time of issuance of this permit.
 - (c) For the purpose of this paragraph, adequate notice shall include information on:
 - (i) any change in the quality and quantity of the effluent introduced into the POTW, and
 - (ii) any anticipated impact of the change on the quality or quantity of the effluent to be discharged from the POTW.

The submission of the above information in the POTW's Annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94, will normally be considered as providing adequate notice to the Department, unless a more stringent time period is required by law, regulation, or permit condition in which case the more stringent submission date shall apply

- (d) The identity of Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the Industrial Users.
- (e) The POTW shall require all Industrial Users to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

d. Facilities Operation

The permittee shall at all times maintain in good working order and properly operate and maintain all facilities and systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems which are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

The permittee shall develop, install, and maintain Best Management Practices to control or abate the discharge of pollutants when the practices are reasonably necessary to achieve the effluent limitations and standards in this permit or to carry out the purposes and intent of the Clean Water Act, or when required to do so by the Department.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

f. Bypassing

- (1) Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be violated, but only if the bypass is essential for maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c.
- (2) Other Bypassing - In all other situations bypassing is prohibited unless all of the following conditions are met:
 - (a) A bypass is unavoidable to prevent loss of life, personal injury or “severe property damage”;
 - (b) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed (in the exercise of reasonable engineering judgment) to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
 - (c) The permittee submitted the necessary reports required under Part A.3.c.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions (a through c) listed above.

2. **PENALTIES AND LIABILITY**

a. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative, and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality who violates any provision of this permit, any rule, regulation, or order of the Department, or any condition or limitation of any permit issued pursuant to the Clean Streams Law is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

b. Falsifying Information

Any person who does any of the following:

Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit; or

Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or non-compliance).

shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 P.S. §4904 and 40 CFR 122.41(j)(5) and (k)(2).

c. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

d. Enforcement Proceedings

- (1) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. OTHER RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator, and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) To have access to and copy at reasonable times any records that must be kept under the conditions of this permit;
- (3) To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- (4) To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

b. Transfer of Permits

- (1) *Transfers by modification.* Except as provided in paragraph (2) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- (2) *Automatic transfers.* As an alternative to transfers under paragraph (1) of this section, any NPDES permit may be automatically transferred to a new permittee if:
 - (a) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in paragraph (2)(b) of this section;
 - (b) The notice includes the appropriate Department transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 - (c) The Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (2)(b) of this section.

- (3) In the event the Department does not approve transfer of the permit, the new owner or controller must submit a new permit application.

c. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

d. Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

PART C

I. OTHER REQUIREMENTS

ONE: Properly completed and signed Discharge Monitoring Reports (DMRs), as described in Part A.3.b of this permit, shall be submitted, within 28 days after the end of each monthly reporting period, to the Department (and the EPA Regional Office, if noted below) at the following address:

PA Dept. of Environmental Protection	Office of Compliance & Enforcement (3WP30)
Northwest Regional Office	NPDES Branch
- Water Management	Water Protection Division
230 Chestnut Street	US EPA -- Region III
Meadville, PA 16335	1650 Arch Street
	Philadelphia, PA 19103-2029

II. SPECIAL CONDITONS

1. Storm water Sampling Requirements

- A. For dischargers from holding ponds or other impoundments with a retention period greater than 24 hours, (estimated by dividing the volume of the detention pond by the estimated volume of water discharged during the 24 hours pervious to the time that the sample is collected) a minimum of one grab sample may be taken. For all other discharges, data shall be reported for both a grab sample and a composite sample.
- B. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event.
- C. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge and the discharger shall submit on the Department form entitled "Additional Information for the Reporting of Storm water Discharge Monitoring," a description of why a grab sample during the first 30 minutes is impracticable.
- D. The permittee shall submit the additional information requested in the attached Department form entitled, "Additional Information for the Reporting of Storm water Discharge Monitoring." This additional information shall be submitted along with the DMR form.

PART C

II. SPECIAL CONDITIONS (continued)

- E. When the discharger is unable to collect samples due to adverse climatic conditions, the discharger must submit in lieu of sampling data a description of why samples could not be collected, including available documentation of the event. Adverse climatic conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.). This information shall be submitted on the attached form entitled "Additional Information for the Reporting of Storm water Discharge Monitoring." Dischargers are precluded from exercising this waiver more than once during a two-year period.
- F. Prohibition of non-storm water Discharges
1. Except as provided below, all storm water outfalls shall be composed entirely of uncontaminated storm water.
 2. The following non-storm water discharges are authorized provided the non-storm water component of the discharge is in compliance with F.3 below: discharges from firefighting activities, fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn water, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, air conditioning condensate, springs, uncontaminated ground water, and foundation or footing drains where flows are not contaminated with process materials such as solvents.
 3. This permit does not authorize any discharge (storm water or non-storm water) which contains any pollutant which may cause or contribute to an impact on aquatic life or pose a substantial hazard to human health or the environment due to its quantity or concentration.
- G. This permit does not authorize the discharge of any pollutant resulting from an on-site spill. Any such substance is subject to Section A.3.c or d of this permit.
- H. Preparedness, Prevention And Contingency Plans (PPC)
1. Operators of facilities shall review and revise as appropriate the PPC Plan for the site in accordance with 25 Pa. Code Section 101.3 to address storm water. The PPC Plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the facility.

PART C

II. SPECIAL CONDITIONS (continued)

Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations, outdoor storage activities, outdoor manufacturing or processing activities, significant dust or particulate generating process, and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or discharges; the likelihood of contact with storm water; and history of significant leaks or spills of toxic or hazardous pollutants. In addition, the PPC Plan shall describe the implementation of practices which are to be used to reduce the pollutants in storm water discharges ensuring compliance with the terms and conditions of this permit.

2. Facilities subject to SARA Title III, Section 313 reporting requirements for releases of Section 313 water priority chemicals to water that have occurred within the last three years shall include a description of such releases in the PPC Plan.
3. Qualified personnel shall conduct site compliance evaluations at least once a year. A report summarizing the evaluation and any required follow-up actions shall be prepared and kept on-site. Such evaluations shall include the items in H.3.a below.
 - a. Areas contributing to a storm water discharge shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures identified in the plan shall be observed to ensure that they are operating correctly.
 - b. Based on the results of the inspection, the description of potential pollutant sources identified in the PPC Plan, and pollution prevention measures and controls identified in the plan shall be revised as appropriate and shall provide for implementation of any changes to the plan in a timely manner.

2. Temperature

This discharge shall not cause a change of surface water temperature of more than 2°F during any one hour period.

PART C

II. SPECIAL CONDITIONS (continued)

3. Chemical Additives

Chemical additives to control corrosion, scaling, algae, slime, fouling, oxygen, etc., and blowdown discharge rates shall be managed by the permittee to ensure that toxic effects in the receiving stream are prevented. Usage rates shall be limited to the minimum amount necessary to accomplish the intended purposes of the chemical addition and approval is limited to the chemicals and usage rates contained in the application.

Whenever a change in chemical additive or increase in usage rates is desired by the permittee, a written notification in the format specified by the Department, shall be submitted at least sixty (60) days prior to the proposed use of the chemical. For each proposed chemical or usage rate, the written notification, as a minimum, shall include the following:

- A. Trade names of additive;
- B. Name and address of additive manufacturer;
- C. Material Safety Data Sheet (MSDS) or other available information on mammalian or aquatic toxicological effects;
- D. Bioassay data including the 96-hour LC_{50} on the whole product,
- E. Proposed average and maximum additive usage rates in pounds per day;
- F. A flow diagram showing the point of chemical addition and the affected outfalls;
- G. The expected concentration of the product at the final outfall;
- H. The product density for liquids (pounds per gallon) used to convert the usage rate (gallons per day) to in-system concentrations (Milligrams per Liter);
- I. The analytical test method that could be used to verify final discharge concentrations when the product is in use and the associated minimum analytical detection level in Milligrams per Liter;
- J. The conditioned water discharge rate or blowdown rate and duration in hours;
- K. Available data on the degradation of or decomposition of the additive in the aquatic environment; and

PART C

II. SPECIAL CONDITIONS (continued)

L. Any other data or information the permittee believes would be helpful to the Department in completing its review.

Use of products or chemicals that contain one or more ingredients that are carcinogens is generally prohibited. Before proposing limited use of such products or chemicals, the permittee must first thoroughly investigate use of alternative products or chemicals to avoid the use of the carcinogens. If no suitable alternatives are available, the permittee must submit written documentation as part of the information required above, that demonstrates to the satisfaction of the Department that no suitable alternatives are available and any carcinogen in the proposed chemical or product will not be detectable in the final effluent using the most sensitive analytical method available.

Based on the information presented, the Department will determine within sixty (60) days whether the existing NPDES permit must be amended to include specific effluent limitations for active ingredients or other control measures. When so required, the permittee will be advised within sixty (60) days that a formal request for a permit amendment is required including a filing fee and Act 14 notices.

If a permit amendment application is not requested within sixty (60) days, the permittee may proceed with the use of the proposed chemical additive or usage rate.

Accurate records of usage (name of additive, quantity added, date added) of any approved chemical additive and blowdown discharge volumes must be maintained on the Chemical Additive Reporting Form and kept on-site by the permittee. All correspondence and notifications related to the chemical additives and usage rates must also be kept on-site with the required daily chemical usage records. If the notification is incomplete or the Department notifies the permittee that the proposed usage rate will cause violations of water quality standards, then use of the requested chemical additive or requested change in its usage rate will be denied.

4. Analysis shall be conducted using Method CA-100.1 or equivalent(as approved by the Department) at the most sensitive method detection limit possible.

PART C

II. SPECIAL CONDITIONS (continued)

5. SCHEDULE OF COMPLIANCE FOR TEMPERATURE

A. The permittee shall achieve compliance with final effluent limitations or terminate this discharge in accordance with the following schedule:

1. Submit Plan of Study (POS) for complying with temperature limitations. POS may include plans to conduct a 316(a) thermal variance study. Within 60 day of permit issuance date
 - a. If the permittee chooses to conduct a 316(a) thermal variance study, a detailed study plan must be submitted to the Department. Within 90 days of permit issuance date
 - b. If the permittee chooses to conduct a 316(a) thermal variance study, the date for compliance with effluent limitations specified at Condition 5.A.3 will be suspended and replaced with a compliance date developed upon completion and approval of the 316(a) thermal variance study.
2. The permittee must submit quarterly progress reports no later than 30 days following completion of the calendar quarter describing the actions completed during the quarter and the actions planned for the next quarter. Quarterly
3. Compliance with effluent limitations Within 3 years of permit issuance date

B. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit to the Department a written notice of compliance or noncompliance with the specific schedule requirement(s). Each notice of noncompliance shall include the following information:

PART C

II. SPECIAL CONDITIONS (continued)

1. A short description of the noncompliance.
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement.
3. A description of any factors which tend to explain or mitigate the noncompliance.
4. An estimate of the date that compliance with the elapsed schedule requirement will be achieved and an assessment of the probability that the next scheduled requirement will be met on time.

NOTE: Submittal of all Schedule of Compliance Obligations shall be to the Department at the following address:

Department of Environmental Protection
Field Operations - Water Management
230 Chestnut Street
Meadville, PA 16355
ATTN: Compliance Specialist

6. Establishment of Alternate Thermal Effluent Limitations

The permittee may request an opportunity to demonstrate alternative, site-specific, temperature limitations in accordance with 316(a) guidelines. Section 316(a) of the federal Clean Water Act and Section 96.6(c)(2) of the Department's Rules and Regulations provide that a discharger of thermal wastes can be granted a less stringent alternate thermal effluent limitation if the discharger can satisfactorily demonstrate that the current effluent limitations, based on water quality standards, are more stringent than necessary to protect the balanced indigenous community of aquatic organisms in the receiving water body. Section 316(a) demonstrations are comprehensive studies which include evaluation of historical data and predictive impact modeling. The review and evaluation of these demonstrations are coordinated by the Division of Water Quality with the appropriate regional offices, Pennsylvania Fish Commission, U.S. Fish and Wildlife Service and any interested basin compacts or interstate basin commissions. A successful 316(a) demonstration results in establishment of alternate thermal effluent limitations for a specific discharger and does not change the water quality standards for the receiving water body.

7. Toxics Reduction Evaluation (TRE)

A. Water Quality-Based Effluent Limitations (WQBELs)

PART C

II. SPECIAL CONDITIONS (continued)

1. Based on the discharge and stream data currently available to the Department, the WQBELs for Barium on Page 2d are necessary to protect the receiving stream uses designated in the Department's Rules and Regulations.
2. Within 60 days of the permit effective date (PED), the permittee must submit notification to the Department verifying one of the following options has been selected.
 - a. The permittee accepts the Department's data, assumptions and water quality modeling which was the basis for the WQBELs and will not proceed with optional site-specific data collection activities described in Section C of this condition. The WQBELs will be considered final and enforceable three years after the PED and should be used as the basis for conducting Phase II of the TRE.
 - b. During the period following permit issuance, and prior to the WQBELs becoming final, the permittee agrees to conduct site-specific discharge and/or stream data collection and provide the Department with data to verify or refine the WQBELs in accordance with the schedule in Section B.2, herein. If warranted, modified WQBELs will be established through a permit amendment. Any such permit amendment shall be considered a formal permitting action of the Department subject to applicable permit modification procedures.

If the permittee fails to select one of these options within 60 days of permit effective date, option A.2.a. is selected by default. If the permittee selects option A.2.b, and conducts TRE actions within the schedule in Section B.2 of this condition of the permit, herein, the Department will issue a written decision by letter or permit amendment. The permittee will have 30 days from the date of receipt of such written Department letter or decision to file an appeal of the final WQBELs.

3. In either case, the Permittee must conduct a TRE as outlined below. Phase I of the TRE has both required and optional components.

B. TRE Submission Requirements

1. The TRE shall be developed to:
 - a. Confirm and quantify the presence of the pollutants in the discharge with WQBELs.

PART C

II. SPECIAL CONDITONS (continued)

- b. Verify or refine the modeling data and/or assumptions used to develop the WQBELs.
 - c. Identify sources of the pollutants with final WQBELs.
 - d. Recommend management practices, wastewater treatment technologies, or other control techniques to reduce or eliminate these pollutants.
2. A copy of the Department's "Guidelines for Conducting a Toxics Reduction Evaluation" is enclosed for your use. The TRE and associated reports shall be completed and submitted in accordance with the following schedule:

	<u>Action</u>	<u>Date</u>
a.	Submit notification specified in A.2 above	within 60 days of PED
b.	Submit work plan for conducting Phase I	within 90 days of PED
c.	Start Phase I	within 120 days of PED
d.	Submit complete Phase I report (3 copies)	within 18 months of PED
e.	Start Phase II	within 30 days of notice from the Department to proceed with Phase II
f.	Submit complete Phase II report	within 180 days of notice to proceed with Phase II
g.	Progress reports	every three months starting 120 days after PED

C. Phase I TRE Requirements

1. The permittee is required to submit Phase I of the TRE consisting of the following components:
- a. Influent and effluent quality review
 - b. Source inventory and evaluation
 - c. Source reduction evaluation

PART C

II. SPECIAL CONDITIONS (continued)

- d. Implementation of pollution prevention, sound housekeeping practices, and other management practices.
2. The permittee selecting option A(2)(b) above has the option of providing all or some of the following site-specific data as part of Phase I for use in verifying and refining the WQBELs:
 - Discharge hardness
 - Discharge pollutant concentration and variability
 - Design discharge flow
 - Discharge mixing characteristics
 - Pollutant fate characteristics
 - Stream width, depth and slope
 - Stream velocity
 - Ambient stream data for pollutants, pH, temperature
 - Instream hardness
 - Water intake quality and quantity
 - Treatment plant influent pollutant concentrations
 - Chemical translators
 - Water Effects Ratio (WER)

The permittee should contact the Department for guidance in determining which of the above data will have a significant impact on the WQBELs and also for protocols on collecting and submitting the data. The Department will determine the adequacy of any site-specific data submitted and advise the permittee accordingly. If initial review of the submitted data suggests that additional data collection is necessary, the Department will so advise the permittee. The Department will notify the permittee what effect, if any, the data have on the WQBELs using the procedure outlined in A.2 above.

3. Site-Specific Criteria

The permittee may request an opportunity to demonstrate alternative, site-specific criteria for any pollutants with WQBELs. The procedures for carrying out such demonstrations must receive written approval in advance by the Department and must be in accordance with the requirements of Section 93.8 of the Department's Rules and Regulations.

PART C

II. SPECIAL CONDITIONS (continued)

If the permittee chooses this option, requests for alternative, site-specific criteria must be submitted to the Department as part of the Phase I TRE report. Where the demonstration results in more stringent limitations than those previously established by the Department, the more stringent limitation will apply. Any less stringent limitations which are approved by the Department shall not violate any other applicable water criteria.

4. Alternative Site Specific Method Detection Limits (MDL)

In some cases, the WQBEL may be less than the Method Detection Level (MDL) in the Department's Policy, 25 PA Code 16. In this event, the permittee has the option to demonstrate alternative, facility-specific MDLs to account for analytical matrix interference associated with the wastewater in question. The procedures for determining MDLs, published as Appendix B in 40 CFR 136 must be followed and complete documentation provided. The request for approval of alternative facility-specific MDLs including all documentation required to support such a request must be submitted to the Department with the Phase I TRE report.

The Department may grant a facility specific MDL by including the numeric alternate MDL value for compliance purposes through the permit modification or renewal process.

D. Phase II TRE Requirements

The permittee should not proceed with Phase II until notified by the Department to do so. Depending on the results of Phase I, the WQBELs may need to be modified or Phase II may not be necessary.

1. Source Reduction Evaluation

In addition to those items in C.1 above, as part of Phase II, the permittee must conduct source reduction evaluations including recycle, reuse, and process/chemical substitution. The intent of this portion of the TRE is to investigate and implement all low-cost, non-structural alternatives to reduce pollutants.

PART C

II. SPECIAL CONDITIONS (continued)

2. Final WQBEL Compliance Strategies and Schedule

A complete TRE report must consist of identification and assessment of all available pollution control options (Best Management Practices and/or treatment technologies and other structural alternatives) and their ability to comply with the final WQBELs or other WQBELs identified in response to Phase I. The permittee must select a specific pollution control option that will achieve the applicable WQBELs and specify a schedule for the implementation of this option.

3. Section 95.4 Time Extension Requests

In some cases, the final WQBEL may not be technologically achievable using any combination of control options. In this event, the permittee has the option of requesting an extension of time to achieve the WQBEL, provided the permittee demonstrates eligibility for time extension under the requirements contained in 25 Pa. Code 95, Section 95.4 of the Department's Rules and Regulations. If the permittee elects to submit the 95.4 time extension request, the request must be submitted with Phase II of the TRE report. Forms are available from the Department to be used for any such requests.

PERMITTEE NAME ADDRESS (include

Facility Name / Location if different)

NAME: Crompton Corporation

 ADDRESS: 100 Sonneborn Lane
 Petrolia, PA 16050

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

PA0002666

001

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY: WQ/IW/Tech

YEAR

MO

DAY

TO

YEAR

MO

DAY

LOCATION: Fairview Township

COUNTY: Butler County

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM					
Flow	Sample Measurement			MGD				mg/l				
	Permit Requirement	XX									6/year	estimate
5 Day CBOD	Sample Measurement							mg/l				
	Permit Requirement					XX					2/year	grab
TSS	Sample Measurement							mg/l				
	Permit Requirement					XX					2/year	grab
Oil and Grease	Sample Measurement							mg/l				
	Permit Requirement					XX					2/year	grab
(T) Iron	Sample Measurement							mg/l				
	Permit Requirement					XX					6/year	grab
Dissolved Iron	Sample Measurement							mg/l				
	Permit Requirement					XX					6/year	grab
Manganese	Sample Measurement							mg/l				
	Permit Requirement					XX					2/year	grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		YEAR	DATE		
AREA CODE							NUMBER	MO		DAY		
TYPE OR PRINT												

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane

PA0002666

001

Petrolia, PA 16050

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY: WQ/IW/Tech

YEAR

MO

DAY

TO

YEAR

MO

DAY

LOCATION: Fairview Township

COUNTY: Butler County

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

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FORM APPROVED.

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Zinc	Sample							mg/l					
	Measurement												
	Permit												
	Requirement					XX				2/year	grab		
pH	Sample							std. units					
	Measurement												
	Permit												
	Requirement					XX				2/year	grab		
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	Requirement												
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TYPE OR PRINT													

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

XX -- Monitor and report on monthly DMRs.

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane

PA0002666

002

Petrolia, PA 16050

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY: WQ/IW/Tech

YEAR

MO

DAY

TO

YEAR

MO

DAY

LOCATION: Fairview Township

COUNTY: Butler County

(20-21)

(22-23)

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	Sample Measurement											
	Permit Requirement					XX					1/year	grab
5 Day CBOD	Sample Measurement							mg/l				
	Permit Requirement									1/year	grab	
	Sample Measurement											
	Permit Requirement				XX					1/year	grab	
TSS	Sample Measurement							mg/l				
	Permit Requirement									1/year	grab	
	Sample Measurement											
	Permit Requirement				XX					1/year	grab	
Oil and Grease	Sample Measurement							mg/l				
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	Sample Measurement											
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TYPE OR PRINT							AREA CODE NUMBER		YEAR	MO	DAY	

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PERMITTEE NAME ADDRESS (include Facility Name / Location if different)

NAME: Crompton Corporation

ADDRESS: 100 Sonneborn Lane

Petrolia, PA 16050

PERMIT NUMBER

PA0002666

DISCHARGE NUMBER

002

MONITORING PERIOD

FACILITY: WQ/IW/Tech

LOCATION: Fairview Township

COUNTY: Butler County

YEAR MO DAY TO YEAR MO DAY

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

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TYPE OR PRINT

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

XX -- Monitor and report on monthly DMRs.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

NOTE: YOUR PERMIT WILL EXPIRE ON ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE .

PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane	PA0002666	003
Petrolia, PA 16050	PERMIT NUMBER	DISCHARGE NUMBER

FORM APPROVED.
OMB NO. 2040-0004.
Northwest Region Facsimile

MONITORING PERIOD							
FACILITY: WQ/IW/Tech	YEAR	MO	DAY	TO	YEAR	MO	DAY
LOCATION: Fairview Township							
COUNTY: Butler County	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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5 Day CBOD	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab
TSS	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab
Oil and Grease	Sample Measurement							mg/l			
	Permit Requirement					15				2/year	grab
(T) Iron	Sample Measurement							mg/l			
	Permit Requirement					XX				6/year	grab
Dissolved Iron	Sample Measurement							mg/l			
	Permit Requirement					XX				6/year	grab
Manganese	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE AREA CODE NUMBER	YEAR	MO	DAY
TYPE OR PRINT						

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used (REPLACES EPA FORM T -40 WHICH MAY NOT BE USED) Page 1 of 2

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include Facility Name / Location if different)

NAME: Crompton Corporation

ADDRESS: 100 Sonneborn Lane

Petrolia, PA 16050

FACILITY: WQ/IW/Tech

LOCATION: Fairview Township

COUNTY: Butler County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

PA0002666

PERMIT NUMBER

003

DISCHARGE NUMBER

MONITORING PERIOD

YEAR MO DAY TO YEAR MO DAY

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENC Y OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Zinc	Sample							mg/l			
	Measurement										
	Permit					XX				2/year	grab
	Requirement										
pH	Sample							std. units			
	Measurement										
	Permit					XX				2/year	grab
	Requirement										
	Sample										
	Measurement										
	Permit										
	Requirement										
	Sample										
	Measurement										
	Permit										
	Requirement										
	Sample										
	Measurement										
	Permit										

(T) Iron	Requirement					XX		mg/l		6/year	grab	
Dissolved Iron	Sample							mg/l				
	Measurement											
	Permit											
Manganese	Requirement					XX		mg/l		6/year	grab	
	Sample											
	Measurement											
	Permit					XX		mg/l		4/year	grab	
	Requirement											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			DATE	
TYPE OR PRINT								AREA CODE	NUMBER	YEAR	MO	DAY

EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

NAME: Crumpton Corporation		PA0002666			007			
ADDRESS: 100 Sonneborn Lane		PERMIT NUMBER			DISCHARGE NUMBER			
Petrolia, PA 16050								
		MONITORING PERIOD						
FACILITY:	WQ/IW/Tech	YEAR	MO	DAY	TO	YEAR	MO	DAY
LOCATION:	Fairview Township							
COUNTY:	Butler County	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

[illegible]

	Measurement											
	Permit Requirement											
	Sample Measurement											
	Permit Requirement											
	Sample Measurement											
	Permit Requirement											
	Sample Measurement											
	Permit Requirement											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		YEAR	DATE	
TYPE OR PRINT								AREA CODE	NUMBER		MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

XX -- Monitor and report on monthly DMRs.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane

PA0002666

010

Petrolia, PA 16050

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY: WQ/IW/Tech

YEAR

MO

DAY

TO

YEAR

MO

DAY

LOCATION: Fairview Township

COUNTY: Butler County

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Flow	Sample Measurement			MGD							
	Permit Requirement	XX								continuous	recorded
	Sample Measurement										
	Permit Requirement	51	103			13	26	mg/l		1/week	24-hr comp
5 Day CBOD (05/01 - 10/31) (11/01 - 04/30)	Requirement	103	206	lb/day lb/dav		26	52	mg/l		1/week	24-hr comp

(32-37)		(40-50)			(50-55)			(55-61)			EA (62-63)	OR ANALYSIS (64-68)	TYPE (69-70)						
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT S											
Resorcinol (**)	Sample																		
	Measurement																		
	Permit																		
	Requirement					XX		mg/l		1/quarter	24-hr comp								
Benzenesulfonic Acid (**)	Sample																		
	Measurement																		
	Permit																		
	Requirement					XX		mg/l		1/quarter	24-hr comp								
p-Phenolsulfonic Acid (**)	Sample																		
	Measurement																		
	Permit																		
	Requirement					XX		mg/l		1/quarter	24-hr comp								
m-Benzenedisulfonic Acid(**)	Sample																		
	Measurement																		
	Permit																		
	Requirement					XX		mg/l		1/quarter	24-hr comp								
pH	Sample																		
	Measurement																		
	Permit																		
	Requirement				6.0		9.0	std. units		1/day	grab								
Temperature (Interim)(***) January 1 - 31	Sample																		
	Measurement																		
	Permit					Average Monthly 54°F													
	Requirement									1/week	I-S								
February 01 - 29	Sample																		
	Measurement																		
	Permit																		
	Requirement					55°F					1/week	I-S							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		AREA CODE		NUMBER		YEAR		DATE		MO	
TYPE OR PRINT																			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used

(REPLACES EPA FORM T -40 WHICH MAY NOT BE USED)

Page 3 of 8

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include
Facility Name / Location if different)
NAME: Crompton Corporation
ADDRESS: 100 Sonneborn Lane
Petrolia, PA 16050

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PA0002666
PERMIT NUMBER

(17-19) 010
DISCHARGE NUMBER

FACILITY: WQ/IW/Tech

MONITORING PERIOD

YEAR MO DAY TO YEAR MO DAY

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
March 1 - 31	Sample Measurement Permit Requirement										
						82°F				1/week	I-S
April 1 - 15	Sample Measurement Permit Requirement										
						68°F				1/week	I-S
April 16 - 30	Sample Measurement Permit Requirement										
						110°F				1/week	I-S
May 1 - 15	Sample Measurement Permit Requirement										
						81°F				1/week	I-S
May 16 - 31	Sample Measurement Permit Requirement										
						110°F				1/week	I-S
June 1 - 30	Sample Measurement Permit Requirement										
						110°F				1/week	I-S
July 1 - 31	Sample Measurement Permit Requirement										
						110°F				1/week	I-S
August 1 - 31	Sample Measurement Permit Requirement										
						110°F				1/week	I-S
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE AREA CODE NUMBER		YEAR	DATE MO DAY	
TYPE OR PRINT											

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Petrolia, PA 16050		PERMIT NUMBER			DISCHARGE NUMBER			
		MONITORING PERIOD						
FACILITY:	WQ/IW/Tech	YEAR	MO	DAY	TO	YEAR	MO	DAY
LOCATION:	Fairview Township							
COUNTY:	Butler County	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		(46--53)	(54-61)		(38-45)	(46-53)	(54-61)				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
September 1 - 15	Sample Measurement										
	Permit Requirement					110°F				1/week	I-S
September 16 - 30	Sample Measurement										
	Permit Requirement					87°F				1/week	I-S
October 1 - 15	Sample Measurement										
	Permit Requirement					87°F				1/week	I-S
October 16 - 31	Sample Measurement										
	Permit Requirement					75°F				1/week	I-S
November 1 - 15	Sample Measurement										
	Permit Requirement					76°F				1/week	I-S
November 16 - 30	Sample Measurement										
	Permit Requirement					57°F				1/week	I-S
December	Sample Measurement										
	Permit Requirement					52°F				1/week	I-S
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			DATE	
TYPE OR PRINT							AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include

Facility Name / Location if different)

NAME: Crompton Corporation

ADDRESS: 100 Sonneborn Lane

Petrolia, PA 16050

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

PA0002666

010

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY: WQ/IW/Tech

LOCATION: Fairview Township

COUNTY: Butler County

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Temperature (Final) (***) January 1 - 31	Sample Measurement										
	Permit Requirement					Daily Average 58°F			1/day	I-S	
February 1 - 29	Sample Measurement										
	Permit Requirement					61°F			1/day	I-S	
March 1 - 31	Sample Measurement										
	Permit Requirement					69°F			1/day	I-S	
April. 1 - 15	Sample Measurement										
	Permit Requirement					87°F			1/day	I-S	
April 16 - 30	Sample Measurement										
	Permit Requirement					110°F			1/day	I-S	
May 1 - 15	Sample Measurement										
	Permit Requirement					103°F			1/day	I-S	
May 16 - 31	Sample Measurement										
	Permit Requirement					110°F			1/day	I-S	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE AREA CODE NUMBER		YEAR	MO	DAY
TYPE OR PRINT											

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane

PA0002666

010

Petrolia, PA 16050

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY: WQ/IW/Tech

YEAR

MO

DAY

TO

YEAR

MO

DAY

LOCATION: Fairview Township

COUNTY: Butler County

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
June 1 - 15	Sample Measurement										
	Permit Requirement					109°F				1/day	I-S
	Sample Measurement										
	Permit Requirement					103°F				1/day	I-S
June 16 - 30	Sample Measurement										
	Permit Requirement					103°F				1/day	I-S
	Sample Measurement										
	Permit Requirement					98°F				1/day	I-S
July 1 - 31	Sample Measurement										
	Permit Requirement					98°F				1/day	I-S
	Sample Measurement										
	Permit Requirement					95°F				1/day	I-S
August 1 - 31	Sample Measurement										
	Permit Requirement					95°F				1/day	I-S
	Sample Measurement										
	Permit Requirement					93°F				1/day	I-S
September 1 - 15	Sample Measurement										
	Permit Requirement					93°F				1/day	I-S
	Sample Measurement										
	Permit Requirement					87°F				1/day	I-S
September 16 - 30	Sample Measurement										
	Permit Requirement					87°F				1/day	I-S
	Sample Measurement										
	Permit Requirement					89°F				1/day	I-S
October 1 - 15	Sample Measurement										
	Permit Requirement					89°F				1/day	I-S
	Sample Measurement										
	Permit Requirement										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPE OR PRINT							AREA CODE NUMBER		YEAR	MO DAY	

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include Facility Name / Location if different)

NAME: Crompton Corporation

ADDRESS: 100 Sonneborn Lane

Petrolia, PA 16050

FACILITY: WQ/IW/Tech

LOCATION: Fairview Township

COUNTY: Butler County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

PA0002666

PERMIT NUMBER

010

DISCHARGE NUMBER

MONITORING PERIOD

YEAR MO DAY TO YEAR MO DAY

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENC Y OF ANALYSIS (64-68)	SAMPLE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				TYPE (69-70)	
October 16 - 31	Sample											
	Measurement											
	Permit											
	Requirement					79°F				1/day	I-S	
November 1 - 15	Sample											
	Measurement											
	Permit											
	Requirement					80°F				1/day	I-S	
November 16 - 30	Sample											
	Measurement											
	Permit											
	Requirement					71°F				1/day	I-S	
December 1 - 31	Sample											
	Measurement											
	Permit											
	Requirement					61°F				1/day	I-S	
	Sample											
	Measurement											
	Permit											
	Requirement											
	Sample											
	Measurement											
	Permit											
	Requirement											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319 (Penalties under these statutes may includes fines up to					TELEPHONE				DATE	
		SIGNATURE OF PRINCIPAL EXECUTIVE					AREA CODE	NUMBER	YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ØX -- Monitor and report on monthly DMRs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

* -- See Special Condition 4 in Part C of the permit.

** -- See Special Conditions 2, 5, and 6 in Part C of the permit.

*** -- See Special Condition 7 in Part C of the permit.

PERMITTEE NAME ADDRESS (include Facility Name / Location if different)		NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)							
NAME:		(2-16)			(17-19)				
Crompton Corporation		PA0002666			021				
ADDRESS: 100 Sonneborn Lane		PERMIT NUMBER			DISCHARGE NUMBER				
Petrolia, PA 16050									
		MONITORING PERIOD							
FACILITY: WQ/IW/Tech		YEAR	MO	DAY	TO	YEAR	MO	DAY	
LOCATION: Fairview Township									
COUNTY: Butler County		(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)	

FORM APPROVED.

OMB NO. 2040-0004.

Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Flow	Sample	XX		MGD							
	Measurement										
	Permit										
	Requirement										
5 Day CBOD	Sample							mg/l		4/year	grab
	Measurement										
	Permit										
	Requirement										
TSS	Sample					XX		mg/l		2/year	grab
	Measurement										
	Permit										
	Requirement										
Oil and Grease	Sample							mg/l		2/year	grab
	Measurement										
	Permit										
	Requirement										
Iron	Sample					15		mg/l		2/year	grab
	Measurement										
	Permit										
	Requirement										
Dissolved Iron	Sample							mg/l		4/year	grab
	Measurement										
	Permit										
	Requirement										
Manganese	Sample							mg/l		2/year	grab
	Measurement										
	Permit										
	Requirement										

OFFICER

TYPE OR PRINT

EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NOTE: YOUR PERMIT WILL EXPIRE ON ; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE .

PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane	PA0002666	021
Petrolia, PA 16050	PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD							
FACILITY: WQ/IW/Tech	YEAR	MO	DAY	TO	YEAR	MO	DAY
LOCATION: Fairview Township							

COUNTY: Butler County

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form

FORM APPROVED.
OMB NO. 2040-0004.
Northwest Region Facsimile

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENC Y OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Zinc	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab
pH	Sample Measurement							std. nits			
	Permit Requirement					XX				2/year	grab
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

TSS	Measurement										
	Permit Requirement					XX		mg/l		2/year	grab
Oil and Grease	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab
Iron	Sample Measurement							mg/l			
	Permit Requirement					XX				6/year	grab
Dissolved Iron	Sample Measurement							mg/l			
	Permit Requirement					XX				6/year	grab
Manganese	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			DATE
TYPE OR PRINT								AREA CODE	NUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Facility Name / Location if different)

DISCHARGE MONITORING REPORT (DMR)

NAME: Crompton Corporation

(2-16)

(17-19)

ADDRESS: 100 Sonneborn Lane

PA0002666

023

Petrolia, PA 16050

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY:	WQ/IW/Tech	YEAR	MO	DAY	TO	YEAR	MO	DAY
-----------	------------	------	----	-----	----	------	----	-----

LOCATION:	Fairview Township							
-----------	-------------------	--	--	--	--	--	--	--

COUNTY:	Butler County	(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)
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FORM APPROVED.
OMB NO. 2040-0004.
Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) (46--53)	QUANTITY OR LOADING (54-61)		(4 Card Only) (38-45)	QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENC Y OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT S			
Zinc	Sample										
	Measurement										
	Permit Requirement					XX		mg/l		2/vear	grab

pH	Sample							std. nits							
	Measurement														
	Permit														
	Requirement														
	Sample														
	Measurement														
	Permit														
	Requirement														
	Sample														
	Measurement														
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	Requirement														
	Sample														
	Measurement														
	Permit														
	Requirement														
	Sample														
	Measurement														
	Permit														
	Requirement														
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		YEAR	DATE				
TYPE OR PRINT								AREA CODE		NUMBER		MO		DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

XX -- Monitor and report on monthly DMRs.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used				(REPLACES EPA FORM T -40 WHICH MAY NOT BE USED)				Page 2 of 2			
NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.											
PERMITTEE NAME ADDRESS (include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Facility Name / Location if different)											
DISCHARGE MONITORING REPORT (DMR)											
NAME: Crompton Corporation				(2-16)				(17-19)			
ADDRESS: 100 Sonneborn Lane				PA0002666				024			
Petrolia, PA 16050				PERMIT NUMBER				DISCHARGE NUMBER			
				MONITORING PERIOD							
FACILITY: WQ/IW/Tech				YEAR	MO	DAY	TO	YEAR	MO	DAY	
LOCATION: Fairview Township											
COUNTY: Butler County				(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)	
NOTE: Read instructions before completing this form											
Parameter		(3 Card Only)		QUANTITY OR LOADING		(4 Card Only)		QUALITY OR CONCENTRATION			
(32-37)		(46--53)		(54-61)		(38-45)		(46-53) (54-61)			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT	(62-	FREQUENCY OF ANALYSIS	SAMPLE TYPE
									(64-68)	(69-70)	

	Sample							5	0.5		
	Measurement										
Flow	Permit										
	Requirement	XX		MGD						4/year	grab
	Sample										
5 Day CBOD	Measurement										
	Permit										
	Requirement					XX		mg/l		2/year	grab
	Sample										
TSS	Measurement										
	Permit										
	Requirement					XX		mg/l		2/year	grab
	Sample										
Oil and Grease	Measurement										
	Permit										
	Requirement					XX		mg/l		2/year	grab
	Sample										
Iron	Measurement										
	Permit										
	Requirement					XX		mg/l		4/year	grab
	Sample										
Dissolved Iron	Measurement										
	Permit										
	Requirement					XX		mg/l		4/year	grab
	Sample										
Manganese	Measurement										
	Permit										
	Requirement					XX		mg/l		2/year	grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)					TELEPHONE		DATE			
TYPE OR PRINT						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					
						AREA CODE	NUMBER	YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used

(REPLACES EPA FORM T -40 WHICH MAY NOT BE USED)

Page 1 of 2

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.

PERMITTEE NAME ADDRESS (include
Facility Name / Location if different)
NAME: Crompton Corporation
ADDRESS: 100 Sonneborn Lane
Petrolia, PA 16050

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
PA0002666
PERMIT NUMBER
024
DISCHARGE NUMBER

FORM APPROVED.
OMB NO. 2040-0004.
Northwest Region Facsimile

FACILITY:	WQ/IW/Tech	YEAR	MO	DAY	TO	YEAR	MO	DAY
LOCATION:	Fairview Township							
COUNTY:	Butler County	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MONITORING PERIOD

NOTE: Read instructions before completing this form

(32-37)		LOADING			(38-45)	(46-53)	(54-61)		EX (62-63)	OF ANALYSIS (64-68)	TYPE (69-70)					
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT S								
Zinc	Sample															
	Measurement															
	Permit Requirement					XX		mg/l		2/year	grab					
pH	Sample															
	Measurement															
	Permit Requirement					XX		std. nits		2/year	grab					
	Sample															
	Measurement															
	Permit Requirement															
	Sample															
	Measurement															
	Permit Requirement															
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	Sample															
	Measurement															
	Permit Requirement															
	Sample															
	Measurement															
	Permit Requirement															
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		AREA CODE	NUMBER	YEAR	MO	DAY	
TYPE OR PRINT																

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CX -- Monitor and report on monthly DMRs.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

EPA FORM 3320-1 (Rev 9 - 88) previous edition maybe used				(REPLACES EPA FORM T -40 WHICH MAY NOT BE USED)				Page 2 of 2			
NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.											
PERMITTEE NAME ADDRESS (include Facility Name / Location if different)											
DISCHARGE MONITORING REPORT (DMR)											
NAME: Crompton Corporation				(2-16)				(17-19)			
ADDRESS: 100 Sonneborn Lane				PA0002666				025			
Petrolia, PA 16050				PERMIT NUMBER				DISCHARGE NUMBER			
				MONITORING PERIOD							
FACILITY: WQ/IW/Tech				YEAR	MO	DAY	TO	YEAR	MO	DAY	

FORM APPROVED.
OMB NO. 2040-0004.
Northwest Region Facsimile

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING (46--53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Flow	Sample Measurement Permit Requirement	XX		MGD						6/year	grab
5 Day CBOD	Sample Measurement Permit Requirement					XX		mg/l		2/year	grab
TSS	Sample Measurement Permit Requirement					XX		mg/l		2/year	grab
Oil and Grease	Sample Measurement Permit Requirement					XX		mg/l		2/year	grab
Iron	Sample Measurement Permit Requirement					XX		mg/l		6/year	grab
Dissolved Iron	Sample Measurement Permit Requirement					XX		mg/l		6/year	grab
Manganese	Sample Measurement Permit Requirement					XX		mg/l		2/year	grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE AREA CODE NUMBER		YEAR	DATE MO DAY	
TYPE OR PRINT											

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ADDRESS: 100 Sonneborn Lane		PA0002666			025			
Petrolia, PA 16050		PERMIT NUMBER			DISCHARGE NUMBER			
		MONITORING PERIOD						
FACILITY: WQ/IW/Tech		YEAR	MO	DAY	TO	YEAR	MO	DAY
LOCATION: Fairview Township								
COUNTY: Butler County		(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

OMB NO. 2040-0004.
Northwest Region Facsimile

NOTE: Read instructions before completing this form

Parameter (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION			UNIT S	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		(46--53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)				
		AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM				
Zinc	Sample Measurement							mg/l			
	Permit Requirement					XX				2/year	grab
pH	Sample Measurement							std. nits			
	Permit Requirement					XX				2/year	grab
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may includes fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE AREA CODE NUMBER		YEAR	DATE MO DAY	
TYPE OR PRINT											

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

<X -- Monitor and report on monthly DMRs.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

NOTE: YOUR PERMIT WILL EXPIRE ON _____; PLEASE SUBMIT YOUR RENEWAL APPLICATION BEFORE _____.